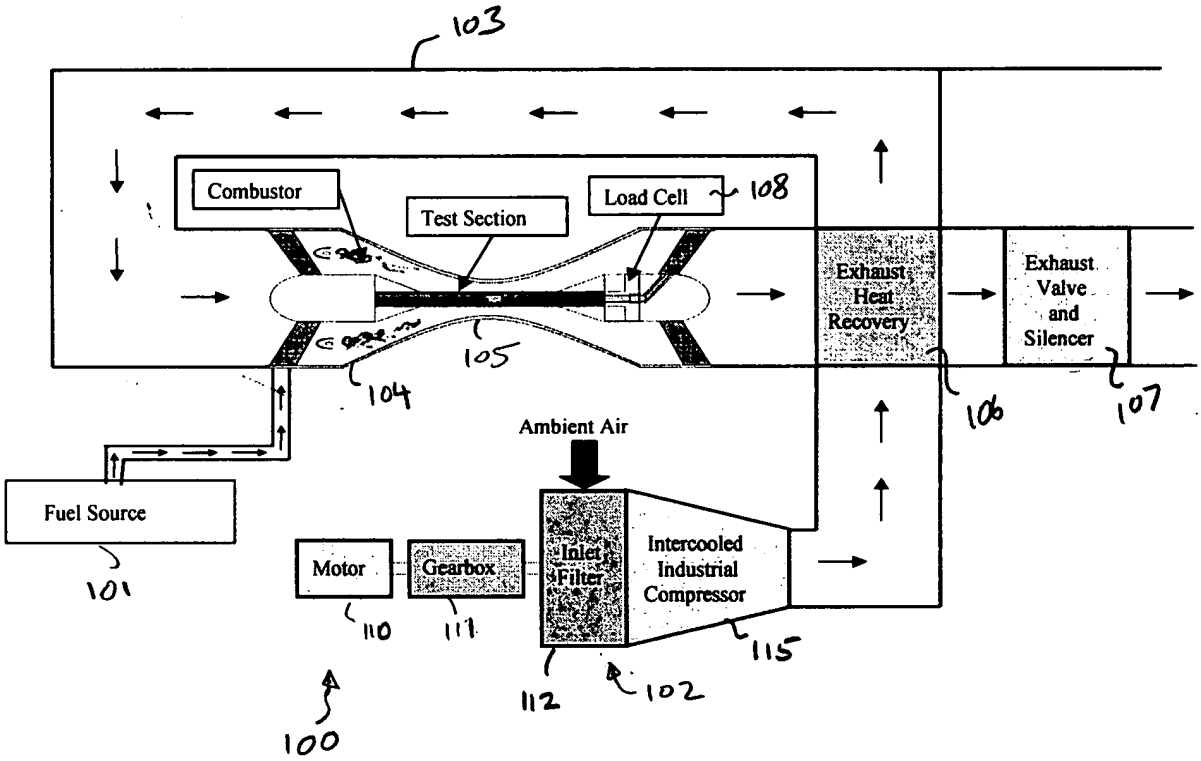
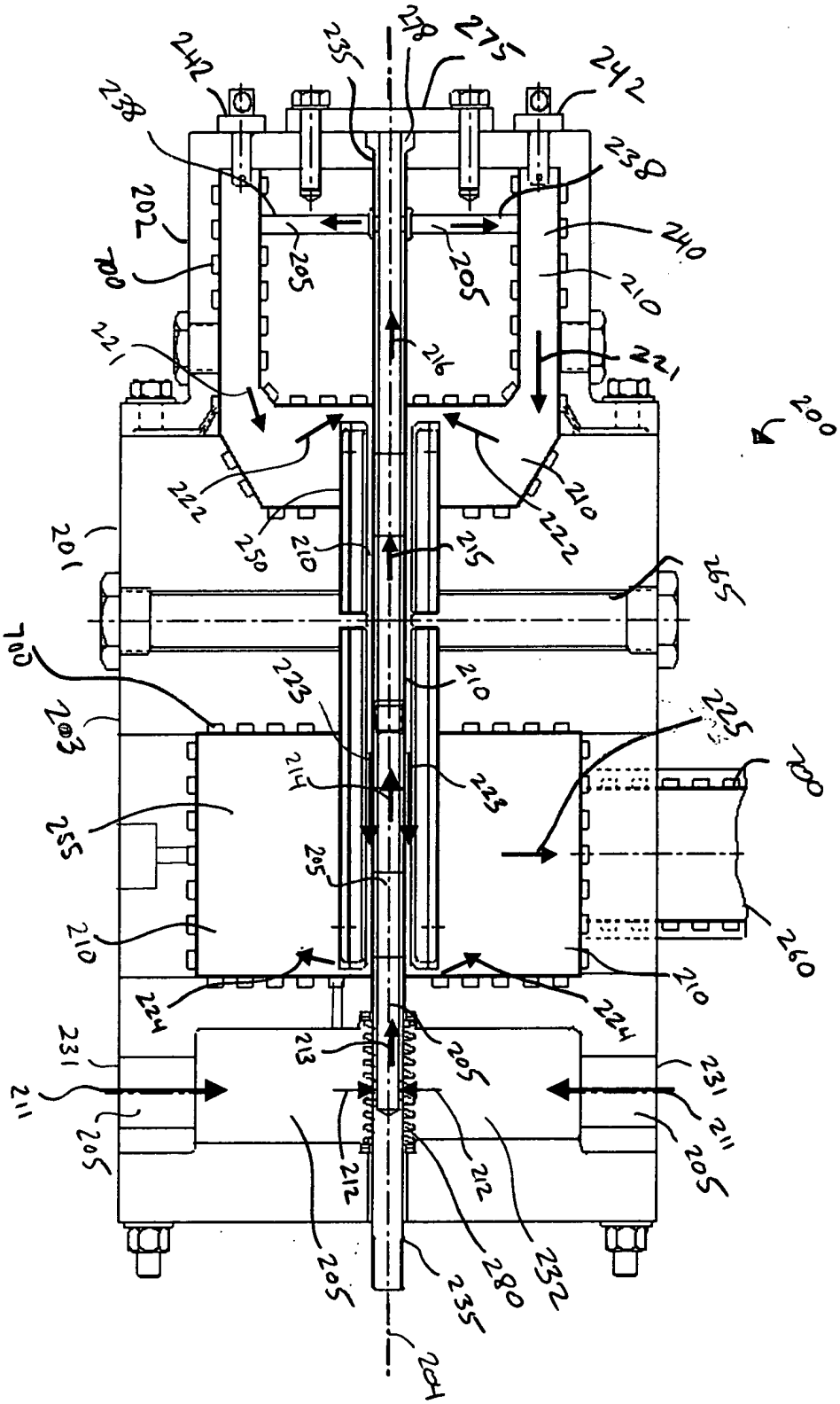
FIG. 1


103
Combustor
Test Section
Load Cell
108
Exhaust Heat Recovery
Exhaust Valve and Silencer
105
104
106
107
Ambient Air
Fuel Source
101
Motor
Gearbox
Inlet Filter
Intercooled Industrial Compressor
110
111
115
112
102
100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278
275
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210
215
201
265
700
223
210
225
203
214
223
700
255
205
210
260
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224
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211
205
212
212
205
280
232
235
204

FIG. 2

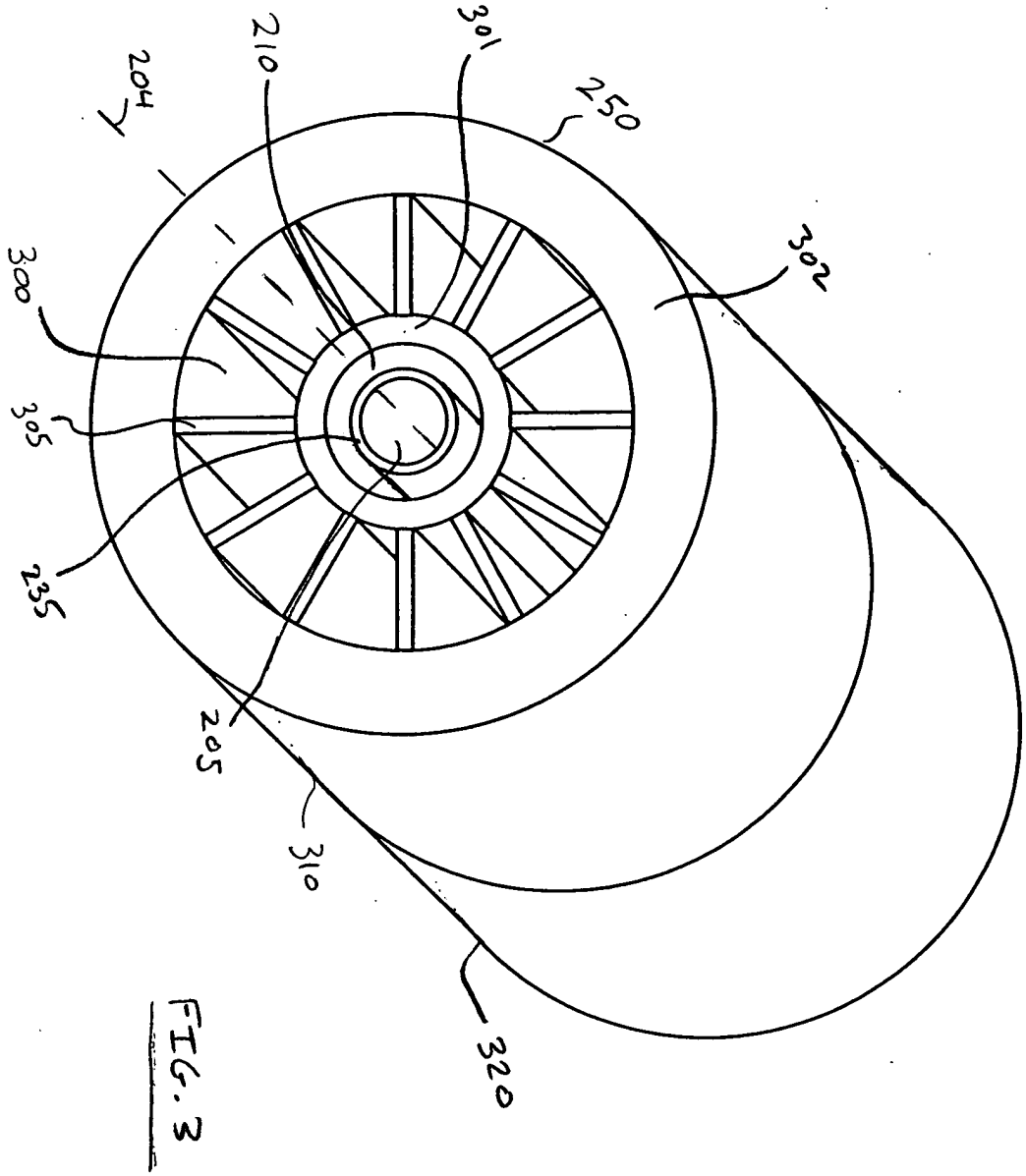

FIG. 3

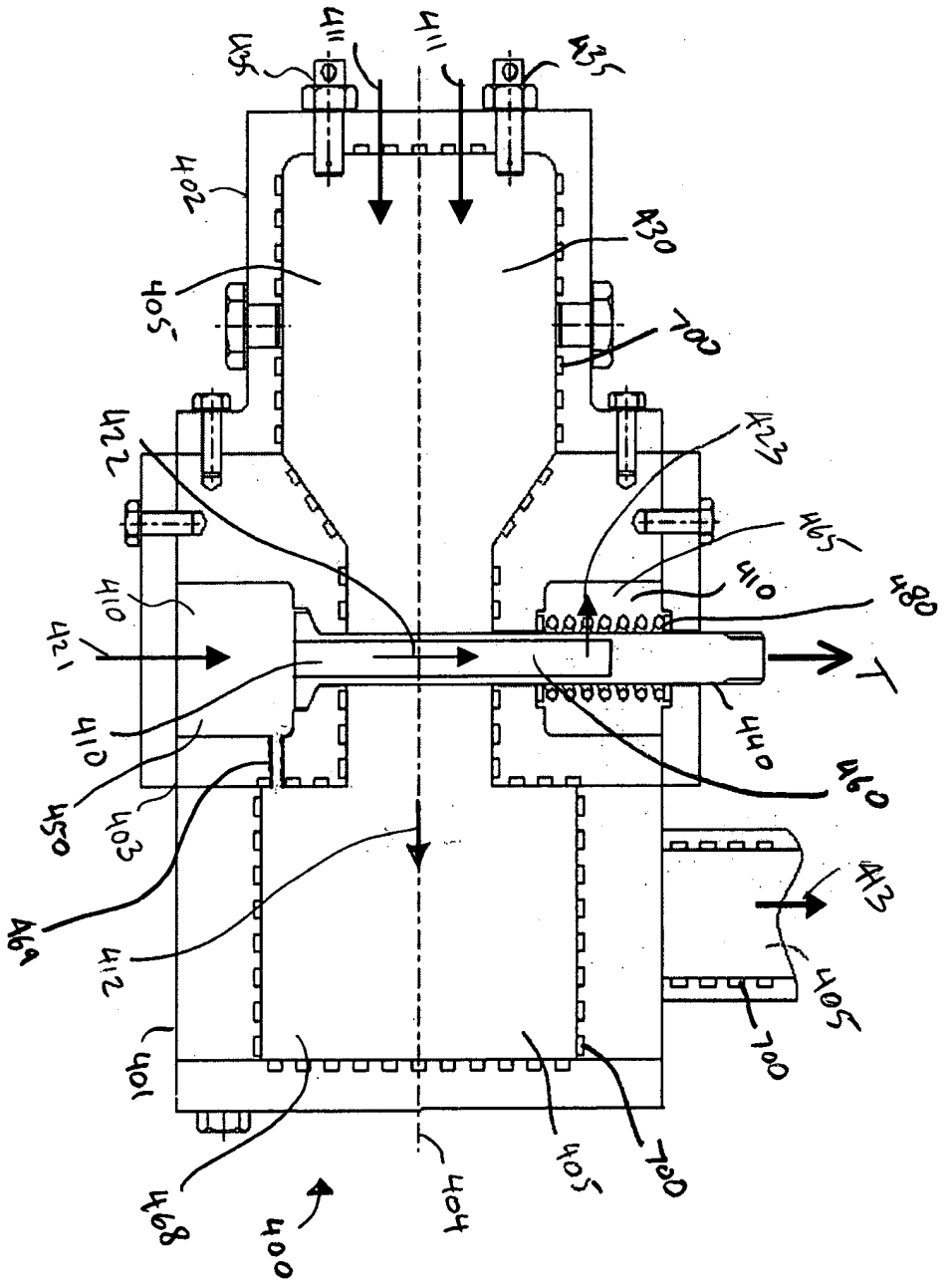
411
411
435
435
402
430
405
700
422
423
465
410
480
410
421
T
410
440
460
450
403
469
412
423
405
700
401
468
400
404
405
700

FIG. 4

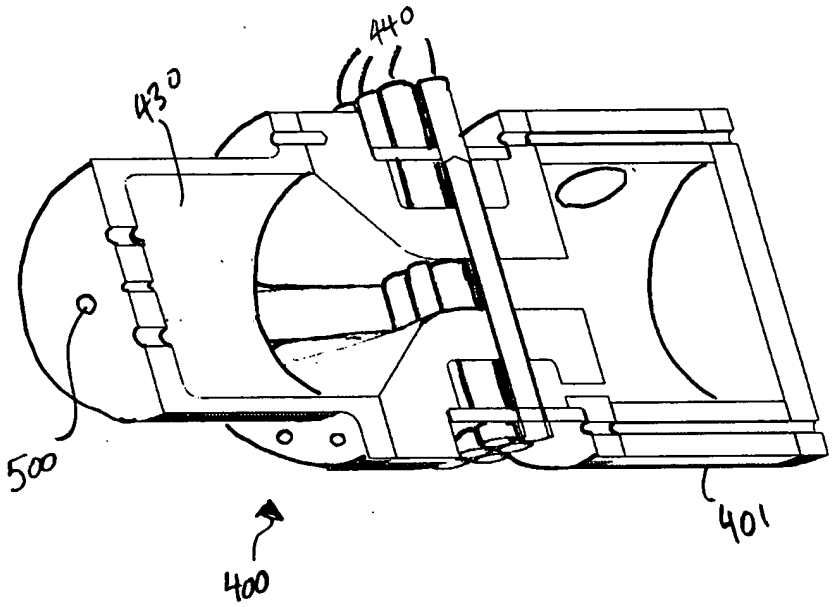

FIG. 5

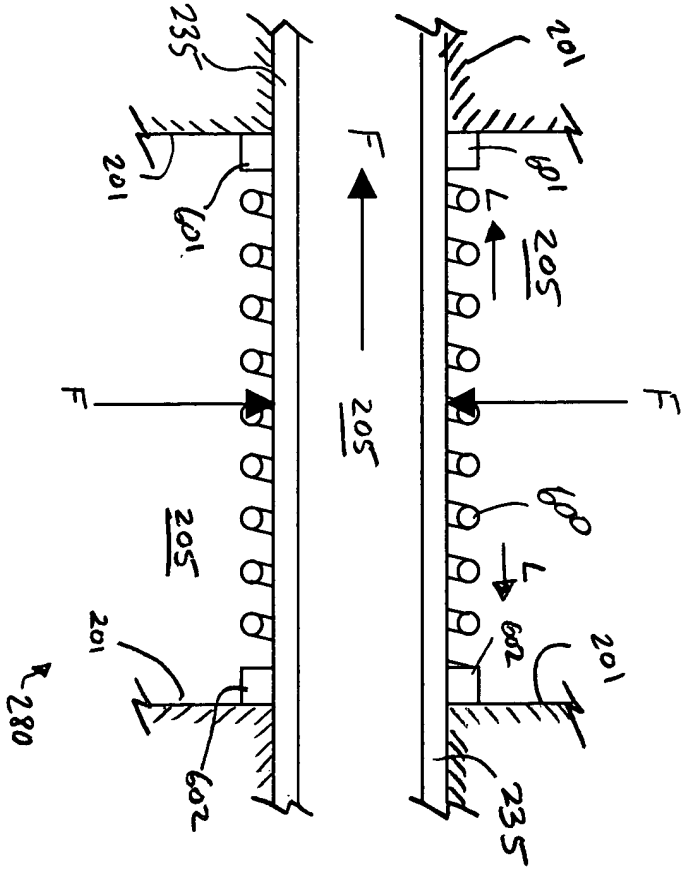
235
201
601
F
205
F
205
201
602
280
201
401
205
F
600
L
602
201
235

FIG. 6A

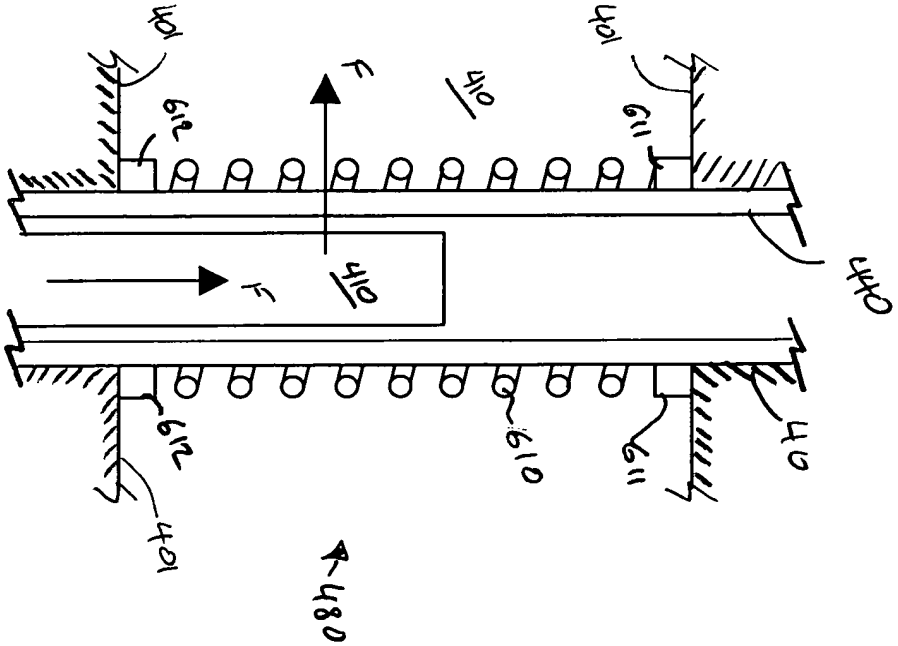
401
612
F
410
401
611
440
F
410
612
610
611
40
401
480

FIG 6B.